

SCIENTIFIC NOTES

***Limnia armipes* Melander synonymized with *Limnia severa* Cresson (Diptera: Sciomyzidae).**—The male holotype of *Limnia severa* Cresson was kindly forwarded to us by Dr. Paul H. Arnaud, California Academy of Sciences, San Francisco. Its gross morphology and genitalia were virtually identical with a large number of specimens previously determined as *L. armipes* Melander. The Cresson type along with representative material from California was sent subsequently for comparison with Melander's male holotype to the U. S. National Museum, Washington, D. C., where both L. V. Knutson and G. C. Steyskal agreed (correspondence L. V. Knutson to R. E. Orth, 24 September 1969) that our material, the Cresson type, and the Melander type were conspecific. Therefore, *Limnia severa* Cresson (Cresson, 1920, March) has precedence over *Limnia armipes* Melander (Melander, 1920, September).

Synonymy: *Limnia unguicornis* var. *severa*, Cresson, 1920. Trans. Amer. Entomol. Soc., 46: 80.

Limnia saratogensis var. *severa*, Melander, 1920, Ann. Entomol. Soc. Amer., 13: 324–325.

Limnia saratogensis var. *armipes*, Melander, 1920, Ann. Entomol. Soc. Amer., 13: 324.

Limnia armipes, Steyskal, 1965, in Stone, et al., U. S. Dep. Agr., Agr. Handb., 276: 691.

—T. W. FISHER AND R. E. ORTH, *University of California, Riverside 92502.*

A new Trichoptera from the Hawaiian Islands.—Recently J. W. Beardsley, University of Hawaii, collected several male and female *Hydroptila arctia* Ross. These were collected in a light trap at the University of Hawaii in Honolulu on 25 April 1969. From the location of the light trap it would appear that these caddis flies "came out of Manoa Stream which flows through the eastern edge of the campus, about 300 yards from our light trap. The stream is permanent with a water flow generally of moderate speed. There are several moderately long ponds along the stream course within the campus," according to Dr. Beardsley.

This record constitutes the first for a member of the genus *Hydroptila* in the Hawaiian Islands. *Hydroptila arctia* Ross is distributed through the western montane region. The species is closely related to *H. consimilis* Morton, which also has a wide distribution. It is possible that *H. arctia* Ross and *H. acoma* Denning may be synonyms of *H. consimilis*.

This new record increases to three the number of Trichoptera known to occur in the Hawaiian Islands: 1) *Oxyethira maya* Denning, well established and quite common. According to Beardsley the species is now known from the islands of Oahu, Kauai, and Hawaii. 2) *Cheumatopsyche analis* (Banks), well established and fairly abundant. It has been collected from the islands of Oahu, Molokai, and Maui. 3) *Hydroptila arctia* Ross, from Oahu. Dr. Beardsley has collected about a hundred specimens in the past year.—D. G. DENNING AND R. L. BLICKLE, *Moraga, California 94556, and University of New Hampshire, Durham.*